

NSF BIOGRAPHICAL SKETCH

NAME: Smiley Evans, Tierra

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POSITION TITLE & INSTITUTION: Assistant Research Epidemiologist, One Health Institute, University of California, Davis

(a) PROFESSIONAL PREPARATION -(see PAPPG Chapter II.C.2.f.(a))

INSTITUTION	LOCATION	MAJOR / AREA OF STUDY	DEGREE (if applicable)	YEAR YYYY
Santa Clara University	Santa Clara, CA	Combined Sciences	BS	2005
Tufts University	North Grafton, MA	Veterinary Medicine	DVM	2010
University of California, Davis	Davis, CA	Infectious Disease Epidemiology	PHD	2016
University of California, Davis	Davis, CA	Postdoctoral Scholar, Disease Ecology	OTH	2019

(b) APPOINTMENTS -(see PAPPG Chapter II.C.2.f.(b))

2019 - present Assistant Research Epidemiologist, One Health Institute, University of California, Davis, CA

2016 - present Research Associate, Smithsonian Institution, Washington, DC

2016 - 2019 Postdoctoral Scholar, One Health Institute, University of California, Davis, CA

2010 - 2016 Graduate Student Researcher, One Health Institute, University of California, Davis, CA

2010 - 2013 Wildlife Veterinarian, Lindsay Wildlife Museum, Walnut Creek, CA

(c) PRODUCTS -(see PAPPG Chapter II.C.2.f.(c))

Products Most Closely Related to the Proposed Project

- Smiley Evans T, Win Myat T, Aung P, Min Oo Z, Thein Maw M, Than Toe A, Htun Aung T, Sarm Hom N, Thawda Shein K, Zin Thant K, Tun Win Y, Zin Thein W, Gilardi K, Myat Thu H, Johnson CK. Bushmeat hunting and trade in Myanmar's central teak forests: Threats to biodiversity and human livelihoods. *Global Ecology and Conservation*. 2020 January 15; 22. DOI: 10.1016/j.gecco.2019.e00889
- Smiley Evans T, Tutaryebwa L, Gilardi KV, Barry PA, Marzi A, Eberhardt M, Ssebide B, Cranfield MR, Mugisha O, Mugisha E, Kellermann S, Mazet JAK, Johnson CK. Suspected Exposure to Filoviruses Among People Contacting Wildlife in Southwestern Uganda. *J Infect Dis*. 2018 Nov 22;218(suppl_5):S277-S286. PubMed Central PMCID: [PMC6927880](https://pubmed.ncbi.nlm.nih.gov/3027880/).
- Smiley Evans T, Gilardi KV, Barry PA, Ssebide BJ, Kinani JF, Nizeyimana F, Noheri JB, Byarugaba DK, Mudakikwa A, Cranfield MR, Mazet JA, Johnson CK. Detection of viruses using discarded plants from wild mountain gorillas and golden monkeys. *Am J Primatol*. 2016 Nov;78(11):1222-1234. PubMed PMID: [27331804](https://pubmed.ncbi.nlm.nih.gov/27331804/).
- Johnson CK, Hitchens PL, Pandit PS, Rushmore J, Evans TS, Young CCW, Doyle MM. Global shifts in mammalian population trends reveal key predictors of virus spillover risk. *Proc Biol*

Sci. 2020 Apr 8;287(1924):20192736. PubMed Central PMCID: [PMC7209068](#).

5. Evans TS, Myat TW, Hom NS, Ricks KM, Maw MT, Oo ZM, Toe AT, Aung NT, Aung P, Aung TH, Kuehnert P, Thant KZ, Win YT, Thein WZ, Gardner NR, Schoepp RJ, Johnson CK, Thu HM. Seroepidemiologic Survey of Crimean-Congo Hemorrhagic Fever Virus in Logging Communities, Myanmar. *Emerg Infect Dis*. 2021 Jun;27(6):1709-1713. PubMed Central PMCID: [PMC8153884](#).

Other Significant Products, Whether or Not Related to the Proposed Project

1. Smiley Evans T, Shi Z, Boots M, Liu W, Olival KJ, Xiao X, Vandewoude S, Brown H, Chen JL, Civitello DJ, Escobar L, Grohn Y, Li H, Lips K, Liu Q, Lu J, Martínez-López B, Shi J, Shi X, Xu B, Yuan L, Zhu G, Getz WM. Synergistic China-US Ecological Research is Essential for Global Emerging Infectious Disease Preparedness. *Ecohealth*. 2020 Mar;17(1):160-173. PubMed Central PMCID: [PMC7088356](#).
2. Smiley Evans T, Lowenstine LJ, Gilardi KV, Barry PA, Ssebide BJ, Kinani JF, Nizeyimana F, Noheri JB, Cranfield MR, Mudakikwa A, Goldstein T, Mazet JAK, Johnson CK. Mountain gorilla lymphocryptovirus has Epstein-Barr virus-like epidemiology and pathology in infants. *Sci Rep*. 2017 Jul 13;7(1):5352. PubMed Central PMCID: [PMC5509654](#).
3. Smiley Evans T, Barry PA, Gilardi KV, Goldstein T, Deere JD, Fike J, Yee J, Ssebide BJ, Karmacharya D, Cranfield MR, Wolking D, Smith B, Mazet JA, Johnson CK. Optimization of a Novel Non-invasive Oral Sampling Technique for Zoonotic Pathogen Surveillance in Nonhuman Primates. *PLoS Negl Trop Dis*. 2015;9(6):e0003813. PubMed Central PMCID: [PMC4457869](#).
4. Kreuder Johnson C, Hitchens PL, Smiley Evans T, Goldstein T, Thomas K, Clements A, Joly DO, Wolfe ND, Daszak P, Karesh WB, Mazet JK. Spillover and pandemic properties of zoonotic viruses with high host plasticity. *Sci Rep*. 2015 Oct 7;5:14830. PubMed Central PMCID: [PMC4595845](#).
5. Smiley Evans T, Grange Z, Belkhiria J, Lane J, Genovese B, Togami E, Mazet J. Beyond COVID-19: Conserving nature to prevent the next pandemic. *Parks Stewardship Forum*. 2001; 37(1). Available from: <https://escholarship.org/uc/item/3zc1j8h2>

(d) SYNERGISTIC ACTIVITIES -(see PAPPG Chapter II.C.2.f.(d))

1. Co-PI on NSF EEID in Myanmar "Impacts of rapid landscape change and biodiversity on virus host specificity" (2021-Present)
2. International Research Scientist Development Award: Epidemiology of zoonotic viruses in forest communities in a key biodiversity area of rural Myanmar, NIH Fogarty International Center (2015-present)
3. Steering Committee Member NIAID Center for Research in Emerging Infectious Diseases (CREID Network) (2020-present)
4. Fulbright Scholar, Makerere University, Uganda, developed a course on "Wildlife as sentinels for environmental pollution" (2012-2013)
5. Switzer Environmental Leadership Fellow (2009-2010)